DEGREE WORKSHEET FOR:
BS Earth Sciences, Environmental Emphasis
2019-2020 Catalog
Degree Requirements – 120 credits

YEAR 1- FALL (14 credits)		YEAR 1- SPRING (16 credits)	
GEOL 201 Physical Geology	4 credits	MET 205 General Meteorology (LAC Area 6)	4 credits
ENG 122 College Composition (LAC Area 1a)	3 credits	ESCI 330 Earth Science Statistical Analysis	3 credits
ESCI 200 Intro to Environmental Earth Sci (LAC Area 6)	4 credits	SCI 291 Scientific Writing (LAC Area 1b)	3 credits
Liberal Arts Core[1] and/or Math[2]	3 credits	Liberal Arts Core[1]/Electives[3]	6 credits
YEAR 2- FALL (16 credits)		**YEAR 2-SPRING (15 credits)**	
MATH 131 Calculus I (LAC Area 2)	4 credits	CHEM 112 Principles of Chemistry II	4 credits
CHEM 111 Principles of Chemistry I (LAC Area 6)	4 credits	CHEM 112L Principles of Chemistry II Laboratory	1 credits
CHEM 111 Principles of Chemistry I Lab (LAC Area 6)	1 credit	GEOG 210 Intro GIS and GPS	3 credits
ESCI 349 Earth Sciences Professional Seminar	1 credit	Liberal Arts Core[1]/Electives[3]	7 credits
Liberal Arts Core[1]/Electives[3]	6 credits		
YEAR 3- FALL (15 credits)		**YEAR 3- SPRING (17 credits)**	
ESCI 474 Principles of Hydrology	4 credits	MET 452 Paleoclimatology	3 credits
ESCI 320 Earth Materials	4 credits	PHYS 220 Introductory Physics I (LAC Area 6)	5 credits
MATH 132 Calculus II (LAC Area 2) OR Approved Math Class	4 credits	Liberal Arts Core[1]/Electives[3]	6 credits
Program Electives[4]	3 credits	Program Electives[4]	6 credits
YEAR 4- FALL (14 credits)		**YEAR 4- SPRING (13 credits)**	
OCN 301 Phys. & Chem. Oceanography	4 credits	GEOL 483 Soils	3 credits
Field Course[5]	3 credits	GEOL 460 Geomorphology	4 credits
Liberal Arts Core[1]/Electives[3]	4 credits	GEOL 410 Groundwater Geology	3 credits
Program Electives[4]	3 credits	Program Electives[4]	6 credits

Admission Requirement – No separate admission requirement.

Minor Required – No Minor required.

Notes – see page 2.

Contact Information – Department of Earth and Atmospheric Sciences

Ross Hall Room 3235, 970-351-2647

Program Web Page: http://esci.unco.edu

This worksheet is a recommended schedule to complete your bachelor's degree in 4 years. Every UNC student must meet the following requirements in order to graduate with a bachelor's degree: earn a minimum of 120 semester credit hours; possess a minimum of a 2.00 cumulative grade point average; have at least 40 credit hours in courses designated as Liberal Arts Core; meet all degree requirements in the student's major field of study. Each major and/or emphasis may have additional requirements necessary for graduation. **Students must consult with their major advisor to receive information on any additional graduation requirements.** You may wish to consult with DegreeWorks accessible via Ursa https://www.unco.edu/current-students/ and consult with other university policies including the UNC-Aims Cooperative Agreement https://www.unco.edu/registrar/registration/aims.aspx and Transferology to assess transferability of courses between institutions https://www.unco.edu/registrar/transfer/transferology.aspx.

BS Earth Sciences, Environmental Emphasis (cont.)

Notes

1 [1]Students need additional Liberal Arts Core courses in the following areas to meet requirements:
Area 1: None Area 2: None Area 3: 6-9 credits* Area 4: 3 credits
Area 5: 3-6 credits* Area 6: None Area 7: 3 credits* Area 8: 3 credits*
*Some Area 7 and Area 8 can also be used for Areas 3, 4, or 5

2 [2]Depending on your ALEKS score and your competency in math, you may need to take additional math courses to prepare you for the degree program
https://www.unco.edu/nhs/mathematical-sciences/placement/results.aspx
https://www.unco.edu/nhs/mathematical-sciences/placement/supplemental-math.aspx
For more information on supplemental math courses, please email math.placement@unco.edu or call the School of Mathematical Sciences at (970) 351-2820.

3 [3]Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 14 credits to meet the minimum 120.

4 [4]Program electives –
Choose 12 credits numbered 300 or higher from GEOL, MET, ESCI, OCN, PHYS, CHEM, BIOL, MATH, ENST, GEOG, ECON, STAT, SCI. Other courses may count toward this requirement with approval of adviser.

5 [5]3 credits of an approved field course is required, such as GEOL 390, GEOG 391, ESCI 492, ESCI 491, ESCI 496. Up to 3 credits of ESCI 491 or ESCI 492 in excess of this requirement may count toward requirement 3.

6 No more than 8 credit hours of AST, ESCI, GEOL, MET, and OCN courses numbered below 200 may be counted toward the major.

7 Upper-level courses are generally taught only one semester per year (and some every other year) and are listed on the planning sheet in the semester they are generally offered. In this plan, courses are listed in order of required prerequisites first. You should work with your adviser to ensure courses are taken in the right sequence and when offered.

8 Science and mathematics courses approved for the Liberal Arts Core that are taken as part of this major may also be used to satisfy Liberal Arts Core requirements.

9 A 2.0 grade point average in the courses taken as part of this major is required for graduation.

The multidisciplinary Environmental Earth Sciences emphasis is intended for individuals who wish to pursue careers with responsibilities that include environmental monitoring, regulation or management. Students may prepare for entry-level positions in environmental industry or governmental agencies, or for graduate education in such fields as resource management, environmental public policy and environmental law. The program also is well suited for anyone with a serious interest in the scientific aspect of environmental issues. The flexibility of the program allows students to customize the program for their individual interests and goals, under the guidance of an adviser. Complementary minors include Environmental and Sustainability Studies, Biology, Geography, Economics, and many more.